

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A bioactive glass having a composition substantially comprising 30 to 60 mol % of CaO, 40 to 70 mol % of SiO₂, and 20 mol % or less of Na₂O, said bioactive glass having a glass transition temperature of 790°C or lower.
2. (Original) The bioactive glass according to claim 1, further comprising CaF₂.
3. (Original) The bioactive glass according to claim 1, further comprising B₂O₃.
4. (Canceled)
5. (Original) The bioactive glass according to claim 1, wherein a difference between its glass transition temperature and its crystallization initiation temperature is 80°C or more.
6. (Original) The bioactive glass according to claim 1, wherein said bioactive glass generates a β-wollastonite crystal at a crystallization temperature.

7. (Currently Amended) A bioactive glass having a composition substantially comprising 30 to 60 mol % of CaO, 40 to 70 mol % of SiO₂, and at least one of Na₂O, CaF₂ and B₂O₃, Na₂O being 20 mol % or less, CaF₂ being 1 mol %, and B₂O₃ being 5 mol % or less, said bioactive glass having a glass transition temperature of 790°C or lower.

8. (Original) The bioactive glass according to claim 1, wherein said bioactive glass is substantially free from P₂O₅.

9. (Original) The bioactive glass according to claim 7, wherein said bioactive glass is substantially free from P₂O₅.

10. (Original) A sintered calcium phosphate glass comprising the bioactive glass recited in claim 1 as a sintering aid.

11. (Currently Amended) The sintered calcium phosphate glass according to claim 10, wherein said sintered calcium phosphate glass ~~comprises~~ contains a calcium phosphate ~~of comprising~~ a hydroxyapatite, a carbonated apatite or tricalcium phosphate.

12. (New) A bioactive glass having a composition consisting essentially of 30 to 60 mol % of CaO, 40 to 70 mol % of SiO₂, and 0.1-5 mol % of Na₂O.

13. (New) A bioactive glass having a composition consisting essentially of 30 to 60 mol % of CaO, 40 to 70 mol % of SiO₂, 0.1-5 mol % of Na₂O, and CaF₂.

14. (New) A bioactive glass having a composition consisting essentially of 30 to 60 mol % of CaO, 40 to 70 mol % of SiO₂, 0.1-5 mol % of Na₂O, and B₂O₃.

15. (New) The bioactive glass according to claim 12, wherein a difference between its glass transition temperature and its crystallization initiation temperature is 80°C or more.

16. (New) The bioactive glass according to claim 12, wherein said bioactive glass generates a β -wollastonite crystal at a crystallization temperature.

17. (New) A bioactive glass having a composition consisting essentially of 30 to 60 mol % of CaO, 40 to 70 mol % of SiO₂, and at least one of Na₂O, CaF₂ and B₂O₃, Na₂O being 0.1 to 5 mol %, CaF₂ being 1 mol %, and B₂O₃ being 5 mol % or less.

18. (New) The bioactive glass according to claim 12, wherein said bioactive glass is substantially free from P₂O₅.

19. (New) The bioactive glass according to claim 17, wherein said bioactive glass is substantially free from P₂O₅.

20. (New) A sintered calcium phosphate glass comprising the bioactive glass recited in claim 12 as a sintering aid.

21. (New) The sintered calcium phosphate glass according to claim 20, wherein said sintered calcium phosphate glass contains a calcium phosphate comprising a hydroxyapatite, a carbonated apatite or tricalcium phosphate.

22. (New) The bioactive glass according to claim 1, comprising CaO and SiO₂ in approximately equal molar ratios.

23. (New) The bioactive glass according to claim 7, comprising CaO and SiO₂ in approximately equal molar ratios.